## SEQUENCE LISTING

5	<110>	CARIL BLANC PIECH	HARD	, Jea	an-Ma	arie										
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		35		_1 -			40	2			- 2	45				
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	Lys S	er Thr	Glu	Pro	Lys	Thr	Lys	Pro	Gln	Asp	Met	Ile	Ser	Ala	Gly	

gga gag agt gtt gct ggt atc act gca ata tct ggc aag ccg ggt gac Gly Glu Ser Val Ala Gly Ile Thr Ala Ile Ser Gly Lys Pro Gly Asp aaq aaa aaa gaa aaq aaa tca tta acc cca qct qtq cca gtt qaa tct Lys Lys Glu Lys Lys Ser Leu Thr Pro Ala Val Pro Val Glu Ser aaa ccg gat aaa cca tcg gga aag tca ggc atg gat gct gct ttg gat Lys Pro Asp Lys Pro Ser Gly Lys Ser Gly Met Asp Ala Ala Leu Asp gac tta ata gat act tta gga gga cct gaa gaa act gaa gaa aat Asp Leu Ile Asp Thr Leu Gly Gly Pro Glu Glu Thr Glu Glu Asn aca acg tat act gga cca gaa gtt tca gat cca atg agt tcc acc tac Thr Thr Tyr Thr Gly Pro Glu Val Ser Asp Pro Met Ser Ser Thr Tyr ata gag gaa ttg ggt aaa aga gaa gtc aca att cct cca aaa tat agg Ile Glu Glu Leu Gly Lys Arq Glu Val Thr Ile Pro Pro Lys Tyr Arq gaa cta ttg gct aaa aag gaa ggg atc aca ggg cct cct gca gac tct Glu Leu Leu Ala Lys Lys Glu Gly Ile Thr Gly Pro Pro Ala Asp Ser tca aaa ccc ata ggg cca gat gat gct ata gac gcc ttg tca tct gac Ser Lys Pro Ile Gly Pro Asp Asp Ala Ile Asp Ala Leu Ser Ser Asp ttc acc tgt ggg tcg cct aca gct gct gga aag aaa act gaa aaa gag Phe Thr Cys Gly Ser Pro Thr Ala Ala Gly Lys Lys Thr Glu Lys Glu gaa tot aca gaa gtt tta aaa got cag toa goa ggg aca gto aga agt Glu Ser Thr Glu Val Leu Lys Ala Gln Ser Ala Gly Thr Val Arg Ser gct gct cca ccc caa gag aag aaa aga aag gtg gag aag gat aca atg Ala Ala Pro Pro Gln Glu Lys Lys Arg Lys Val Glu Lys Asp Thr Met agt gat caa gca ctc gag gct ctg tcg gct tca ctg ggc acc cgg caa Ser Asp Gln Ala Leu Glu Ala Leu Ser Ala Ser Leu Gly Thr Arg Gln gca gaa cct gag ctc gac ctc cgc tca att aag gaa gtc gat gag gca Ala Glu Pro Glu Leu Asp Leu Arg Ser Ile Lys Glu Val Asp Glu Ala aaa gct aaa gaa gaa aaa cta gag aag tgt ggt gag gat gat gaa aca Lys Ala Lys Glu Glu Lys Leu Glu Lys Cys Gly Glu Asp Asp Glu Thr 

						tac Tyr 325	_				_	_	_		-			1008
	5			_		gag Glu		_	_			_			_	_		1056
	10	-			_	gaa Glu										-		1104
	15					aag Lys			_	_		_	_		_	_	_	1152
	20					gtg Val												1200
The little of the state of the	20					ccc Pro 405												1248
	25					gaa Glu												1296
	30	_		_	_	gga Gly				_	_		-	_		_	_	1344
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1	40		_		_	tta Leu	_		_	_	_		_		_			1440
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	45		_	_	_	ttg Leu		_	_									1536
	50					gaa Glu	_	_			-	_	-					1584
	55					cca Pro												1632
				-		agt Ser			_		_	_						1680

	545					550					555					560	
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15	_	-			_	_				_				_			1872
20		-		_			_	_	_		_			_	_		1920
25			_	_	_	_	_					_			_		1968
3.0		-	_	_	_	_	_	_	_	_		_			_		2016
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		50				_	55			_		60			_		
55	65		_	_		70		_			75					80	
					85					90					95	_	
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aag Glu Asp Ser Lys 625  tca gga gat ctg Ser Gly Asp Leu  25 aca gca aag gat Thr Ala Lys Asp 660  30 aag aat gga ggt Lys Asn Gly Gly 675  35 tcc aag cca aaa Ser Lys Pro Lys 690  40 <210> 2 <211> 694 <212> PRT <213> Homo sapic 45 <400> 2 Met Glu Gly Pro 1 Val Lys Thr Glu 20 50 Val His Glu Lys 35 Pro Lys Ser Leu 50 His Asn Lys Lys 55 65 Lys Ser Thr Glu	Ser   Asp   Ser   Leu   Gly   Se5     atg   gga   gat   aaa   gta   Met   Gly   Se5   Leu   Se7   Val   Se8     10	tct       gac       agt       cta       gga       caa         ser       Asp       Ser       Leu       Gly       Gln         atg       gga       gat       aaa       gta       aag         net       Gly       Glu       Arg       Asp       Asp         ser       Gly       Glu       Arg       Asp       Asp         ser       Glu       Asp       Asp       Gly       Gln       Asp         ser       Glu       Asp       Asp       Gly       Gln       Asp         ser       Glu       Asp       Ser       Lys       Lys       Pro         625       Gly       Asp       Leu       Asp       Ser         ser       Gly       Asp       Lys       Lys       Pro         625       Gly       Asp       Lys       Lys       Cys         620       Asp       Gly       Lys       Cys         30       aag       aat       gga       ggt       aaa       gcg         Lys       Asp       Asp       Asp       Asp       Asp         35       tcc       aag       caa       gat       ac<	tct         gac         agt         cta         gga         caa         agg           5         Asp         Ser         Leu         Gly         Gln         Arg           5         Atg         gga         gat         aaa         gta         aag         gaa         gaa         gaa         gat         gac         act         Lys         Glu         Arg         Asp         Asp         Thr         Arg         Asp         Asp         Asp         Asp         Arg         Arg         Asp         Asp         Arg         Arg	tct gac agt cta gga caa agg cag Ser Asp Ser Leu Gly Gln Arg Gln 565  atg gga gat aaa gta aag gaa aaa Met Gly Asp Lys Val Lys Glu Lys 580  10	tct         gac         agt         cta         gga         caa         agg         cat         cct         gga         cat         gga         gat         gaa         gga         gat         aag         gaa         aag         gaa         aag         gaa         aag         gaa         aag         gaa         aag         gaa         gaa         aag         gaa         aag         gaa         aag         gaa         aag         gaa         aag         gaa         aag         gac         aac         cca         gtg         gaa         gac         aaa         cca         gtg         gaa         cac         aaa         cca         gtg         gac         aac         cca         gtg         gac         aac         cca         gtg         gac         gac <th>  Ser   Asp   Ser   Leu   Gly   Gln   Arg   Gln   Pro   Asp   Ser   Ser</th> <th>tct gac agt cta gga caa agg cag cct gac cct gaa gac gat gat caa agg cag tgt caa gac gat gac gat aaa gga aaa cca gga gat caa agg cag gat gac caa gga gat gac gag gat gac agg gat lea gag gat gac agg gac aaa cca gtg aag cag cag gac aaa cca gtg aag cag gat gac gac gac aaa cca gtg aag cag gat gac gau hasp asp asp asp asp asp asp asp asp asp</th> <th>tct gac agt cta gga caa agg caa gat gac at gct gac gat gat gat gat gat gat gat gat gat gat</th> <th>tct gac agt cta gga caa agg cag cat gac caa gac gat gag ggg ggg ggat aaa gga ggat gac gag gga gat be gag ggat gag ggg ggat aaa gga ggat gac caa ggat gag le gag gag le gag ggat gat gag ggat gat gag ggat gat</th> <th>  Set   Asp   Set   Leu   Gly   Gln   Arg   Gln   Pro   Asp   Pro   Asp   Glu   Asn   Set   Asp   Set   Leu   Gly   Gln   Arg   Gln   Pro   Asp   Pro   Asp   Glu   Asn   Set   Asp   Set   Leu   Gly   Gln   Arg   Gln   Pro   Asp   Pro   Asp   Glu   Asn   Set   Asp   Lys   Lys   Ala   Lys   Ala   Lys   Ala   Glu   His   Arg   Set   Glu   Arg   Asp   Asp</th> <th>  1</th> <th>  1</th>	Ser   Asp   Ser   Leu   Gly   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	Asp 145	Leu	Ile	Asp	Thr	Leu 150	Gly	Gly	Pro	Glu	Glu 155	Thr	Glu	Glu	Glu	Asn 160
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			195		_			200	Ile		_		205		_	
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20					325			_	Pro	330		_		_	335	_
30				340					Lys 345 Asp					350		
			355	_				360	Lys				365			_
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	465	_	_	_		470			Leu	_	475	_	_	_		480
50					485	_				490					495	Ser
			_	500				_	505		_			510		Val
			515			_		520					525			Arg
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	545					550	_	_			555					Leu 560
	Ser	Asp	Ser	Leu	Gly	Gln	Arg	Gln	Pro	Asp	Pro	Asp	Glu	Asn	Lys	Pro

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	20																	
-		<210	)> 3															
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П	23	<220	)>															
0			L> CI	os														
L.		<222	2> (2	1)	(399)	)												
	30	<400			~~+	~~+	~~+		~~+	~~~		-+-	~~+	t	++-	~~~	~~~	4.0
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Ũ		807	G		ASP	n. u	ALC	ЦСС	ASP	дор	II C U	110	HDP	****	шси		QT y	
==		Ser 1	Gly	Mec		5					10					15		
<u> </u>			Gly	Mec		5					10					15		
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	35	1 cct	gaa	gaa		gaa	_				acg					gaa		96
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	40	cct Pro tca Ser gtc Val atc Ile 65	gaa Glu gat Asp aca Thr 50 aca Thr	gaa Glu cca Pro 35 att Ile ggg Gly	Thr 20 atg Met cct Pro cct Pro gcc	gaa Glu agt Ser cca Pro	tcc ser aaa Lys gca Ala 70	Glu acc Thr tat Tyr 55 gac Asp	tac Tyr 40 agg Arg tct Ser	Thr 25 ata Ile gaa Glu tca Ser	acg Thr gag Glu cta Leu aaa Lys	gaa Glu ttg Leu ccc Pro 75	Thr  ttg Leu  gct Ala 60 ata Ile	ggt Gly 45 aaa Lys ggg Gly	Pro 30 aaa Lys aag Lys cca Pro	gaa Glu aga Arg gaa Glu gat Asp	yal gaa Glu ggg Gly gat Asp 80	144 192 240
	40 45	cct Pro tca Ser gtc Val atc Ile 65 gct Ala	gaa Glu gat Asp aca Thr 50 aca Thr	gaa Glu cca Pro 35 att Ile ggg Gly gac Asp	Thr 20 atg Met cct Pro cct Pro gcc Ala	gaa Glu agt Ser cca Pro cct Pro	tcc ser aaa Lys gca Ala 70 tca ser	Glu acc Thr tat Tyr 55 gac Asp	tac Tyr 40 agg Arg tct ser gac Asp	Thr 25 ata Ile gaa Glu tca Ser ttc	acg Thr gag Glu cta Leu aaa Lys acc Thr	gaa Glu ttg Leu ccc Pro 75 tgt	ttg Leu gct Ala 60 ata Ile	ggt Gly 45 aaa Lys ggg Gly tcg ser	Pro 30 aaa Lys aag Lys cca Pro	gaa Glu aga Arg gaa Glu gat Asp aca Thr	yal gaa Glu ggg Gly gat Asp 80 gct Ala	144 192 240
	40	cct Pro tca ser gtc Val atc Ile 65 gct Ala	gaa Glu gat Asp aca Thr 50 aca Thr	gaa Glu cca Pro 35 att Ile ggg Gly gac Asp	Thr 20 atg Met cct Pro cct Pro acc Ala	gaa Glu agt Ser cca Pro cct Pro	tcc ser aaa Lys gca Ala 70 tca ser	Glu acc Thr tat Tyr 55 gac Asp tct Ser aaa	tac Tyr 40 agg Arg tct ser gac Asp	Thr 25 ata Ile gaa Glu tca Ser ttc Phe	acg Thr gag Glu cta Leu aaa Lys acc Thr 90	gaa Glu ttg Leu ccc Pro 75 tgt Cys	Thr  ttg Leu  gct Ala 60 ata Ile  ggg Gly gaa	ggt Gly 45 aaa Lys ggg Gly tcg ser	Pro 30 aaa Lys aag Lys cca Pro	gaa Glu aga Arg gaa Glu gat Asp aca Thr 95	yal gaa Glu ggg Gly gat Asp 80 gct Ala	144 192 240
	40 45	cct Pro tca ser gtc Val atc Ile 65 gct Ala	gaa Glu gat Asp aca Thr 50 aca Thr	gaa Glu cca Pro 35 att Ile ggg Gly gac Asp	Thr 20 atg Met cct Pro cct Pro gcc Ala	gaa Glu agt Ser cca Pro cct Pro	tcc ser aaa Lys gca Ala 70 tca ser	Glu acc Thr tat Tyr 55 gac Asp tct Ser aaa	tac Tyr 40 agg Arg tct ser gac Asp	Thr 25 ata Ile gaa Glu tca Ser ttc Phe	acg Thr gag Glu cta Leu aaa Lys acc Thr 90	gaa Glu ttg Leu ccc Pro 75 tgt Cys	Thr  ttg Leu  gct Ala 60 ata Ile  ggg Gly gaa	ggt Gly 45 aaa Lys ggg Gly tcg ser	Pro 30 aaa Lys aag Lys cca Pro	gaa Glu aga Arg gaa Glu gat Asp aca Thr 95	yal gaa Glu ggg Gly gat Asp 80 gct Ala	144 192 240

cag tca gca ggg aca gtc aga agt gct gct cca ccc caa gag aag aaa